NETWORK SYSTEMS SPECIALIST

Class Definition

Under supervision, establishes, monitors and maintains integrated data networks; analyzes overall network performance to ensure effective communication between the mainframe and distributed networks and personal computers.

Distinguishing Characteristics

Network Systems Specialist is a single position class in the Information Systems Division of the Finance Department. Reporting to the Computer Operations Supervisor, the incumbent monitors and controls the teleprocessing network, identities and resolves operating systems Äproblems, provides technical assistance to user departments and Information Systems Division staff, and analyzes overall network performance. This class differs from Programmer/Analyst II in that incumbents of the latter develop and implement computer programs.

Typical Tasks

(The incumbent may not be assigned all duties listed, nor do the examples cover all duties which may be assigned.)

Assists in evaluating requests for hardware and software which involve the use of distributed networks, local area networks, data transfer between operating systems, and other types of data networks.

Meets with user departments; analyzes operating systems to determine network requirements; prepares reports of analyses.

Recommends appropriate hardware, software and network configurations for the most efficient use of equipment.

Provides technical assistance to user departments and Information Systems Division staff regarding network problems.

Installs and evaluates network systems; diagnoses network problems and recommends modifications.

Maintains and repairs network equipment.

Provides cost estimates of equipment to be purchased.

Performs related duties as required.

Knowledge, Abilities, and Skills

Knowledge of computer network systems, network alternatives, and their uses.

Knowledge of local area networks.

Knowledge of mainframe communication methods such as Virtual Telecommunication Access Method (VTAM) and System Network Architect (SNA).

Ability to analyze functional requirements and specifications for computer hardware.

Ability to install, maintain and repair network systems and equipment.

Ability to establish and maintain effective working relationships with co-workers and representatives of user departments.

Ability to communicate effectively, both orally and in writing.

Minimum Qualifications

Fifteen units of accredited college or university coursework in Data Processing or closely related field and one year of work experience with data communication hardware and software including design, installation, and maintenance of local area networks. An additional year of qualifying experience may be substituted for the required education.

Necessary Special Requirement

Possession of a valid California DriverÄ License at time of appointment.

APPROVED: _____   DATE: _____
                              Director of Personnel

MR/CR/co10/03/89